

**WHAT IS CLAIMED IS:**

1. A vacuum box comprising:

  - a lower box;
  - an upper cover;
  - 5      an isolating layer installed on a top of the upper cover for sealing a seal layer on the lower box; the isolating layer having a check valve and a pressure relief valve;
  - 10     a pump unit installed on the isolating layer; the pump unit including two pump tubes connected to the isolating layer through the check valve; each pump tube having a stud; and a gear set connected to the studs;
  - 15     a motor installed on the isolating layer for driving the motor;
  - 20     a battery set installed on the isolating layer for supplying power to the motor;
  - 15     a control button installed on the upper cover for opening or closing a power to the box;
  - wherein the isolating layer is installed with a pressure display unit; the pressure display unit is formed by a pressure button installed in a pressure hole of the isolating layer by an airtight ring, a spring below the pressure button; a sealed airbag installed at a top cover of

the pressure button and a periphery of the spring; and a display mask connected to the pressure button; the display mask is a sector transparent casing and is pivotally installed to ears of the isolating layer; a top of the display mask is mounted with at least two color  
5 indicators; a lower lateral side of the pressure button is installed with a sensing switch which sense the rising or descending of the pressure button.

2. The vacuum box as claimed in claim 1, wherein the isolating layer has a pressure relief device; the pressure relief device is formed  
10 by a pressure relief button, a spring resisting against the opening of the pressure relief hole and the pressure relief button; a top of the pressure relief button exposes from the top of the upper cover.

15 3. The vacuum box as claimed in claim 1, wherein one side of the display mask is extended with a post which is connected to the pressure button; and the display mask exposes from a viewing hole of the upper cover.

4. The vacuum box as claimed in claim 1, wherein the corners of the upper cover and isolating layer are formed with a rotational time indicator; the time indicator indicates time and date.

20 5. The vacuum box as claimed in claim 1, wherein the LEDs are installed to the display mask.

6. The vacuum box comprising:

- a lower box;
- an upper cover;
- an isolating layer installed on a top of the upper cover for sealing a seal layer on the lower box; the isolating layer having a check valve
- 5 and a pressure relief valve;
- a pump unit; the pump unit including two pump tubes connected to the isolating layer by check valves; each pump tube having a stud; and a gear set connected to the studs;
- a motor installed on the isolating layer for driving the motor;
- 10 a battery set installed on the isolating layer for supplying power to the motor;
- a control button installed on the upper cover for opening or closing a power to the box;
- wherein the isolating layer is installed with a pressure display
- 15 unit; the pressure display unit is formed by an airtight ring in a pressure hole of the isolating layer; a pressure button installed in a pressure hole of the isolating layer by an airtight ring, a spring is below and resists against a top cover of the pressure button; and a display mask connected to the pressure button; the display mask is a
- 20 sector transparent casing and is pivotally installed to ears of the isolating layer; a top of the display mask is mounted with at least two color indicators; a lower side of the pressure button is installed with a

sensing switch which sense the rising or descending of the pressure button.

7. The vacuum box as claimed in claim 6, wherein the isolating layer has a pressure relief device; the pressure relief device is formed by a pressure relief button, a spring resisting against the opening of the pressure relief hole and the pressure relief button; a top of the pressure relief button exposes from the top of the upper cover.

8. The vacuum box as claimed in claim 6, wherein one side of the display mask is extended with a post which is connected to the pressure button; and the display mask exposes from a viewing hole of the upper cover.

9. The vacuum box as claimed in claim 6, wherein the corners of the upper cover and isolating layer are formed with a rotational time indicator; the time indicator indicates time and date.

15 10. The vacuum box as claimed in claim 6, wherein the LEDs are installed to the display mask.